

STATISTICAL SOUND EVENT MODELING SYSTEM AND METHODS

ABSTRACT OF THE DISCLOSURE

5 Complex sound events are created by generating
multiple different kinds of simpler sounds with randomly
varying repetition rates. The average repetition rate can
also be variable. The values of sound parameters such as
wave selection, pitch distribution, pan distribution and
10 amplitude distribution can have random distributions, as
determined by various control inputs, some of which have
their own random distributions.